

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Thorsten Zank et al.

Application No.: 10/566,944

Confirmation No.: 5346

Filed: February 22, 2006

Art Unit: 1638

For: METHOD FOR THE PRODUCTION OF  
MULTIPLE-UNSATURATED FATTY ACIDS  
IN TRANSGENIC ORGANISMS

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Examiner: Elizabeth F. McElwain

**SUPPLEMENTAL RESPONSE TO RESTRICTION REQUIREMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Madam:

In response to the Office Communication mailed July 1, 2009, Applicants provisionally make the following additional species elections as required by the Examiner for further prosecution with traverse. Applicants understand, and as further indicated in the Office Communication at page 2, upon determination of allowable subject matter rejoinder of non-elected sequences will be reconsidered.

1. Delta-5 desaturase – SEQ ID NO: 99, or a nucleic acid sequence encoding SEQ ID NO: 100;
2. Delta-5 elongase – SEQ ID NO: 77 and 113, or a nucleic acid sequence encoding SEQ ID NO: 78 and 114 (Applicants respectfully submit that SEQ ID NO: 77 and 113 contain identical nucleic acid sequences and SEQ ID NO: 78 and 114 contain identical amino acid sequences);
3. Delta-4 desaturase – SEQ ID NO: 41, or a nucleic acid sequence encoding SEQ ID NO: 42;

4. Omega-3 desaturase – SEQ ID NO: 87, or a nucleic acid sequence encoding SEQ ID NO: 88; and
5. Delta-12 desaturase – SEQ ID NO: 109, or a nucleic acid sequence encoding SEQ ID NO: 110.

This response is filed within the one month period for response from the mailing of the Office Communication. No fee is believed due. However, if a fee is due, the Director is hereby authorized to charge our Deposit Account No. 03-2775, under Order No. 12810-00193-US from which the undersigned is authorized to draw.

Respectfully submitted,

By /s/ Hui-Ju Wu  
Hui-Ju Wu, Ph.D.

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